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THE ASSISTANT COMMISSIONER FOR PATENTS Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the Patent Application of:

Inventor: James Irwin Knutson

For: Mapping Travel Routes

Assignee Name: International Business Machines Corporation

Assignee Residence: Armonk, New York

Enclosed are:

X 11 Pages of Specification including Abstract

X 7 Pages of Claims (29)

X 4 Sheet(s) of drawings. \_\_ Informal X Formal

X Declaration(s) and Power of Attorney

X Form PTO 1595 and Assignment of the Invention to IBM Corporation

\_\_\_ A certified copy of a \_\_\_\_ application.

Information Disclosure Statement, PTO 1449 and copies of \_\_\_\_\_ references.

The filing fee has been calculated as shown below:

| For                                | Number N | lumber | Rate    | Fee   |            |
|------------------------------------|----------|--------|---------|-------|------------|
|                                    | Filed E  | Extra  |         |       |            |
| Basic Fee                          |          |        |         |       | \$740.00   |
| Total Claims                       | 29 - 20  | 9      | x 18 =  |       | \$162.00   |
| Indep. Claims                      | 5 - 3    | 2      | x 84 =  |       | \$168.00   |
| MULTIPLE DEPENDENT CLAIM PRESENTED |          |        | x 270 = |       | \$ 0.00    |
|                                    |          |        |         | TOTAL | \$1,070.00 |

- X Please charge my Deposit Account No. <u>09-0447</u> in the amount of \$1,070. A duplicate copy of this sheet is enclosed.
- X The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account <u>09-0447</u>. A duplicate copy of this sheet is enclosed.
  - X Any additional filing fees required under 37 CFR 1.16.
  - X Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted

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1050 U.S. PTO 10/042497